

GROUND-WATER LEVELS

IREDELL COUNTY--Continued

353135080524202. County number, IR-131; DENR Langtree Research Station MW-2I (Transition zone well).
 LOCATION.--Lat 35°31'35.47", long 80°52'42.23", North American Datum of 1983, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .1 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.
 AQUIFER.--Transition zone (weathered and competent quartz diorite).
 WELL CHARACTERISTICS.--Drilled observation well, depth 48 ft, diameter 4 in., cased to 33 ft, screened interval from 33 ft to 48 ft.
 INSTRUMENTATION.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at site.
 DATUM.--Land-surface datum is 802.67 ft above sea level (levels by DENR). Measuring point: Top of instrument shelter floor, 0.67 ft above land-surface datum.
 REMARKS.--Well is part of Piedmont/Mountains ground-water project.
 PERIOD OF RECORD.--March 2001 to September 2001.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 19.93 ft below land-surface datum, Apr. 30, May 1-5, 2001; lowest water level recorded 23.23 ft below land-surface datum, Sept. 30, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR MARCH 2001 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	20.79	19.93	20.48	21.23	21.99	22.76
2	---	---	---	---	---	---	20.72	19.93	20.49	21.26	22.01	22.79
3	---	---	---	---	---	22.13	20.65	19.93	20.53	21.29	22.03	22.81
4	---	---	---	---	---	22.07	20.59	19.93	20.56	21.30	22.06	22.84
5	---	---	---	---	---	22.03	20.53	19.93	20.59	21.33	22.09	22.86
6	---	---	---	---	---	21.98	20.46	19.95	20.61	21.36	22.11	22.88
7	---	---	---	---	---	21.93	20.42	19.96	20.63	21.38	22.13	22.91
8	---	---	---	---	---	21.89	20.37	19.96	20.65	21.39	22.16	22.93
9	---	---	---	---	---	21.86	20.33	19.97	20.68	21.42	22.19	22.94
10	---	---	---	---	---	21.83	20.29	19.97	20.71	21.44	22.21	22.96
11	---	---	---	---	---	21.80	20.26	19.98	20.74	21.47	22.23	22.97
12	---	---	---	---	---	21.76	20.22	20.00	20.77	21.50	22.26	22.98
13	---	---	---	---	---	21.72	20.19	20.03	20.79	21.52	22.28	23.00
14	---	---	---	---	---	21.70	20.16	20.04	20.83	21.55	22.31	23.02
15	---	---	---	---	---	21.66	20.12	20.05	20.85	21.58	22.34	23.03
16	---	---	---	---	---	21.63	20.10	20.07	20.87	21.60	22.36	23.05
17	---	---	---	---	---	21.60	20.08	20.09	20.91	21.62	22.39	23.06
18	---	---	---	---	---	21.55	20.06	20.11	20.94	21.63	22.41	23.07
19	---	---	---	---	---	21.52	20.05	20.13	20.97	21.67	22.44	23.08
20	---	---	---	---	---	21.48	20.03	20.16	20.98	21.69	22.46	23.10
21	---	---	---	---	---	21.41	20.02	20.17	21.00	21.72	22.49	23.11
22	---	---	---	---	---	21.38	20.01	20.20	21.02	21.74	22.51	23.12
23	---	---	---	---	---	21.32	19.99	20.25	21.04	21.76	22.54	23.14
24	---	---	---	---	---	21.26	19.97	20.27	21.07	21.80	22.57	23.15
25	---	---	---	---	---	21.21	19.97	20.29	21.09	21.82	22.59	23.17
26	---	---	---	---	---	21.16	19.96	20.31	21.11	21.84	22.62	23.18
27	---	---	---	---	---	21.12	19.95	20.34	21.13	21.86	22.64	23.19
28	---	---	---	---	---	21.07	19.94	20.38	21.15	21.88	22.67	23.20
29	---	---	---	---	---	20.98	19.96	20.40	21.17	21.90	22.69	23.21
30	---	---	---	---	---	20.94	19.94	20.43	21.21	21.94	22.71	23.22
31	---	---	---	---	---	20.87	---	20.46	---	21.96	22.74	---

WTR YR 2001 MEAN 21.38 HIGH 19.93 LOW 23.22

